

## **METHODS, SYSTEMS, AND MEDIA TO ENHANCE PERSISTENCE OF A MESSAGE**

### **ABSTRACT**

5               Methods, systems, and media for enhancing persistence of a message are disclosed. Embodiments include hardware and/or software for storing of a message in an inbound queue, copying the message to a working queue prior to removing the message from the inbound queue, processing the message base upon the copy in the working queue, and storing a committed reply for the message in an outbound queue. Embodiments may also include a queue  
10   manager to persist the message and the committed reply after receipt of the message, to close or substantially close gaps in persistence. Several embodiments include a dispatcher that browses the inbound queue to listen for receipt of messages to process, copy the message to the working queue, and assign the message to a thread to perform processing associated with the message. Further embodiments include persistence functionality in middleware, alleviating the burden of  
15   persisting messages from applications like upperware.